

### **GSA Natural Gas Service Specifications**

*[Note: The following specification assumes a single delivery point at the Government facility for which service is required. If more than one delivery point is desired, this specification should be modified to include requirements for each delivery point.]*

(a) The Contractor shall provide to the Government facility at *[Enter name and location of specific premises to be served]* ☐ firm ☐ interruptible natural gas service in a manner and form that is consistent with (1) all applicable laws, rules, industry standards, codes, permits and regulations, and (2) the facility's service requirements. Estimated annual ☐ firm ☐ interruptible service requirements are:

Maximum demand \_\_\_\_\_ \*\* \_\_\_\_\_ kJ/h (\_\_\_\_\_ cf/hr.)  
Maximum usage \_\_\_\_\_ \*\* \_\_\_\_\_ MJ/d (\_\_\_\_\_ mcf/day)  
Total annual usage \_\_\_\_\_ \*\* \_\_\_\_\_ MJ (\_\_\_\_\_ mcf)

*[\*\*Note: If metric units of measure are acceptable to the governing regulatory body, entries should be in metric units. Otherwise, entries should be in regulatory body approved units of measure. A table of conversion of commonly used English units to metric units is attached to this specification.]*

*[If changes in annual requirements during the contract term are foreseeable, the above description of annual usage should be modified to indicate the expected changes.]*

Estimates, by month, of the gas consumption for a typical year are shown in Attachment A of Section J. The Contractor shall maintain pressure at the point of delivery of \_\_\_\_\_ \*\* \_\_\_\_\_ kPa (\_\_\_\_\_ psig) +/- \_\_\_\_\_ percent. The usage amounts shown in this paragraph are estimates only and do not constitute a Government usage guarantee.

*[For any firm service required, consider use of the following paragraph.]*

Firm gas services provided by the Contractor shall meet the Government's everyday needs for the proper operation of its facility without interruption or curtailment. It is understood that, in the event of an emergency, curtailment of firm services may be permitted by a gas utility supplier under its curtailment plan approved by the governing regulatory body.

*[For any interruptible service required, describe advance notice requirements, maximum acceptable frequency and maximum duration of interruption, etc.]*

(b) *[Consider use of the following if service is solicited from a single source.]*

Natural gas delivered under this contract shall conform to quality standards specified in the effective ☐ tariff ☐ gas sales agreement approved by the governing regulatory body.

*[In a competitive solicitation, select from the following those quality indicators necessary to ensure that minimum Government quality requirements are met. Note that in some instances specification of "pipeline quality" gas may be sufficient.]*

The assumed average atmospheric (barometric) pressure at the Government Facility shall be \_\_\_\_\_ \*\* \_\_\_\_\_ Kpa (\_\_\_\_\_ psia). Natural gas delivered under this contract shall conform to the following minimum quality standards:

*[Note: If metric units of measure are acceptable to the governing regulatory body, the quality indicators entered below should be shown in metric units. Otherwise, entries should be in regulatory body approved units of measure.]*

- (1) Shall not contain more than 100 kg/Mm<sup>3</sup> (7 lb./MMcf) of water vapor;

- (2) Shall not contain more than  $2.3 \text{ g/m}^3$  (1 grain/ccf) of hydrogen sulfide as determined by quantitative tests after the presence of hydrogen sulfide has been indicated by qualitative test;
- (3) Shall not contain more than  $6 \text{ mg/m}^3$  (20 grain/ccf) of total sulfur;
- (4) Shall not contain in excess of three percent (3%) by volume of carbon dioxide or four percent (4%) by volume of total inert gases;
- (5) Shall not contain in excess of one percent (1%) by volume of oxygen;
- (6) Shall not contain in excess of  $3 \text{ L/100m}^3$  (0.2 gal/Mcf) of those certain liquefiable hydrocarbons commonly referred to as natural gasoline;
- (7) Shall not exceed 311 K (100 degrees F) in temperature at the point of delivery;
- (8) Shall be reasonably free of any objectionable material including dust, gums, or gum-forming constituents;
- (9) Shall be commercially free of water and hydrocarbons in liquid form at the temperature and pressure at which the gas is delivered; and
- (10) Shall have a delivered heating value (lower heating value or LHV) of no lower than \_\_\_\_\_  $\text{KJ/m}^3$  (\_\_\_\_\_ Btu/cf). (In English measurement, for the purposes of this contract, one "Btu" is defined as the amount of heat required to raise the temperature of one pound of water one degree Fahrenheit at standard atmospheric pressure.)
- (c) The point of service connection between the Government facility and the Contractor's system, as well as any connecting facilities to be installed by the Contractor on Government premises, shall be as shown in Attachment B of Section J (a map or diagram suitable for showing this connection service information shall be provided by the ordering agency). The gas provided hereunder shall be metered by \_\_\_\_\_ [enter number and type of meter(s)]. All meters shall be installed by the Contractor in a manner that allows verification of billing determinants by Government personnel. The gas meter(s) shall be owned, installed, operated, and maintained by the Contractor.